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**Yes-associated protein at the intersection of liver cell fate determination**

Bai YF *et al.* YAP at the intersection

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#### Abstract

The recent publication highlights the importance of high yes-associated protein (YAP) expressing cells in liver regeneration following partial hepatectomy. Despite the names of the cell populations described in these articles [hybrid periportal hepatocytes (HybHP) or epithelial-mesenchymal transition (EMT)-reprogrammed hepatocytes] are not identical, they all express high levels of YAP. We suppose that the HybHP and EMT-reprogrammed hepatocytes might be the similar cell population. Hippo signaling pathway is the main signaling pathway regulating YAP activity. According to the contribution of these two types of cells to liver regeneration and the high expression of YAP, the activation of Hippo-YAP signaling pathway may be a common regulatory pathway experienced by cells undergoing dedifferentiation and reactivating proliferative activity during liver regeneration. Although no evidence showed that HybHP cells contribute

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... Mst1/2), salvador/WW45, and Lats1/2, antagonizes the transcriptional coactivator **yes-associated protein** (YAP) through ... than in corresponding nontumorous tissue samples (P < .001 for all **proteins**; Figure 7F ... a high level of Jag-1, NICD, and Hes-1 **protein** expression significantly ...

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... at a multiplicity of infection of 5. At 48 hours postinfection, green fluorescent **protein** (GFP) fluorescent ... at 14,000 rpm for 15 minutes at 4°C. Equal amounts of **proteins** from the ... evaluated morphologically by **determining** the accumulation of bile canaliculi at the **intersection** of three ...

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Author: Quy Nguyen, Robert A. Anders, Gianfran...

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Yes-associated protein regulation of adaptive liver enlargement and hepatocellular carcinoma development in mice†‡. Authors. Marta A. Kowalik, Department of Toxicology, University of Cagliari, Cagliari, Italy. Search for more papers by this author These authors contributed equally to this work.

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Author: Marta A. Kowalik, Christian Saliba, Monic...

Publish Year: 2011

Published in: *Hepatology* · 2011

Authors: Marta Anna Kowalik · Christian Saliba · Monica Pibiri · Andrea Perra · G M Leddacolu...

Affiliation: University of Cagliari · University of Turin

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The correlation between **YAP1** in the liver and the prognosis of the hepatocellular carcinoma